

Mathematics Calendar

The most comprehensive and up-to-date Mathematics Calendar information is available on e-MATH at <http://www.ams.org/mathcal/>.

October 2002

* 4–6 **Northwestern Nonlinear PDE Conference in conjunction with The 50th Midwest PDE Seminar**, Northwestern University, Evanston, Illinois.

Description: The aim of the conference is to bring together mathematical scientists with interests in nonlinear partial differential equations and their applications to present recent developments and explore new connections between PDE and other areas in mathematics and related fields in the sciences, in celebration of the 25th anniversary of the successful series of Midwest PDE seminars since Avner Friedman hosted the first Midwest PDE Seminar at Northwestern University (May 7-8, 1977). The program will consist of 45-minute plenary lectures starting at 3:00pm, October 4 (Friday), and ending about 5:30pm, October 6 (Sunday), 2002. The Friday session (October 4) will take place at 3:00pm in Room 105 of Lunt Hall, Department of Mathematics, 2033 Sheridan Road, Evanston.

Invited speakers (* confirmed): M. Salah Baouendi (UC-San Diego), J. Bona* (UI-Chicago), L. Caffarelli* (Austin), X. Chen* (Pittsburgh), M. Crandall* (Santa Barbara), C. Dafermos*(Brown), B. Engquist* (Princeton), A. Friedman* (Ohio State), J. Glimm* (Stony Brook), B. Hu* (Notre Dame), C. Kenig* (Chicago), F. Lin* (New York), T.-P. Liu* (Stanford), R. Melrose* (MIT), C. Morawetz* (New York), P. Rabinowitz* (Wisconsin), F. Reitich* (Minnesota), G. Tian (MIT), N. Trudinger* (Canberra).

Sponsors: The National Science Foundation and Northwestern University.

Organizers: G.-Qiang Chen, G. Gasper, and J. Jerome.

Information: See <http://www.math.northwestern.edu/~gqchen/pde02/index.html>.

* 11–12 **22nd Southeastern-Atlantic Regional Conference on Dif-**

ferential Equations, University of Tennessee, Knoxville, Tennessee.
Information: <http://www.math.utk.edu/~vasili/searchde02/>.

November 2002

* 12–13 **IBERAMIA'2002 - Workshop on Multi-Agent Systems**, University of Málaga, Spain.

Description: Fourth Iberoamerican Workshop on Multi-Agent Systems Agent Technology and Software Engineering.

Call for Papers: 7-8 papers will be selected for a special issue on the subject of the workshop, Agent Technology and Software Engineering, to be published in Integrated Computer-Aided Engineering—an international journal (ICAE). Authors of selected papers will be required to provide an extended manuscript, which will be subject to another review process for originality and significance. The extended paper must not be under consideration by any other journal or publication.

ICAE is abstracted/indexed in The Engineering Index, Current Contents/Engineering, Social Sciences Citation Index, ISI Alerting Services, PaperChem, COMPENDEX PLUS, Science Citation Index, CompuMath Citation Index, Computing and Technology.

Information: <http://www.lcc.uma.es/iberagents/>.

* 27–29 **Workshop on Semigroups and Languages**, Interdisciplinary Complex of the University of Lisbon, Portugal.

Invited lecturers: J. Almeida (Univ. Porto); J. Fountain (Univ. York); J. Howie (Univ. St. Andrews); D. McAlister (Northern Illinois Univ.); D. Munn (Univ. Glasgow); J.-E. Pin (CNRS, Univ. Paris 7); S. Pride (Univ. Glasgow); N. Ruskuc (Univ. St. Andrews); M. Volkov (Ural State Univ.).

Organizing Committee: G. M. S. Gomes (ggomes@cii.fc.ul.pt),

This section contains announcements of meetings and conferences of interest to some segment of the mathematical public, including ad hoc, local, or regional meetings, and meetings and symposia devoted to specialized topics, as well as announcements of regularly scheduled meetings of national or international mathematical organizations. A complete list of meetings of the Society can be found on the last page of each issue.

An announcement will be published in the *Notices* if it contains a call for papers and specifies the place, date, subject (when applicable), and the speakers; a second announcement will be published only if there are changes or necessary additional information. Once an announcement has appeared, the event will be briefly noted in every third issue until it has been held and a reference will be given in parentheses to the month, year, and page of the issue in which the complete information appeared. Asterisks (*) mark those announcements containing new or revised information.

In general, announcements of meetings and conferences held in North America carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. Meetings held outside the North American area may carry more detailed information. In any case, if there is any application deadline with

respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences in the mathematical sciences should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to notices@ams.org or mathcal@ams.org.

In order to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **six months** prior to the scheduled date of the meeting.

The complete listing of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

The Mathematics Calendar, as well as Meetings and Conferences of the AMS, is now available electronically through the AMS website on the World Wide Web. To access the AMS website, use the URL: <http://www.ams.org/>.

M. Branco (mbranco@lmc.fc.ul.pt), V. H. Fernandes (vhf@fct.unl.pt).

Information: For more information, see our web page (or contact us): <http://caul.cii.fc.ul.pt/ws12002/>.

January 2003

- * 13-17 **Multiscale Geometric Analysis: Theory, Tools, and Applications**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/mga2003/>.

- * 20-24 **Mathematical Challenges in Scientific and Engineering Computation**, Isaac Newton Institute for Mathematical Sciences, Cambridge, Massachusetts.

Organizers: M. Ainsworth (Univ. of Strathclyde), C. M. Elliott (Univ. of Sussex), E. Süli (Oxford Univ.).

Confirmed Speakers: T. Chan (UCLA), W. E (Princeton), B. Engquist (Princeton), R. Glowinski (Houston), T. McLeish (Leeds), O. Pironneau (Paris), A. Quarteroni (Lausanne/Milan), R. Rannacher (Heidelberg), A. Sutton (Oxford).

Information: <http://www.newton.cam.ac.uk/programs/CPD/cpdw01.html>. Completed application forms should be sent to T. Andrew at Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH or via email to: t.andrew@newton.cam.ac.uk.

February 2003

- * 13-15 **4th WSEAS International Conferences on: Neural Networks and Applications (NNA '03); Fuzzy Sets & Fuzzy Systems (FSFS '03); Evolutionary Computation (EC '03)**, Lanzarote Island, Canary Islands, Spain.

Description: After the impressive success of the previous relevant conferences of WSEAS on Soft Computing and Artificial Intelligence in Tenerife (Spain), New York (USA), Crete (Greece), Las Vegas (USA), Interlaken (Switzerland), Cancun (Mexico), WSEAS is proud to announce the three joint conferences.

Call for Papers: Like in all WSEAS sponsored conferences, all the accepted papers will be simultaneously published not only in the usual conference proceedings, but also as chapters in the WSEAS Press Book Series or as papers in WSEAS Transactions (Journals) The Proceedings and WSEAS Press Book Series will be edited by WSEAS Press (Athens, Greece).

Information: <http://www.wseas.org/>.

March 2003

- * 20-22 **Spring Topology and Dynamical Systems Conference 2003**, Texas Tech University, Lubbock, Texas.

Information: <http://www.math.ttu.edu/stdc/>.

- * 17-June 13 **Symplectic Geometry and Physics**, Institute for Pure and Applied Mathematics, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/sgp2003/>.

- * 24-28 **Symplectic Geometry and Physics: Workshop I: Symplectic Geometry**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/sgp2003/#sgpsg/>.

- * 27-30 **Sixth IMACS International Symposium on Iterative Methods in Scientific Computing**, University of Colorado, Denver, Colorado.

Conference History: IMACS established a series of conferences on iterative methods of which this is the sixth.

Theme: The 2003 symposium will be dedicated to providing an overview of the state of the art in the use of iterative methods for solving large sparse linear systems with an eye to contributions of the past, present and future. The emphasis will be placed

upon identifying future research directions in the mainstream of modern scientific computing. Of particular interest will be talks on interdisciplinary research, applications, and open problems. This conference will highlight new applications in computational biology. Some specific topics targeted are: Applications (with new emphasis on Computational Biology), Domain Decomposition, Pre-conditioning, Parallel Methods, Nonsymmetric Solvers, Nonlinear Systems and Eigenvalue Solvers, Iterative Methods in Optimization, Multilevel Methods, Krylov Methods.

Timing: The IMACS conference will be followed by the Copper Mountain Conference on Multigrid, which will also be held in Colorado from March 30-April 4, 2003.

Information: <http://math.cudenver.edu/IMACS03/>.

April 2003

- * 10-13 **Louisiana Conference on Mathematical Control Theory**, Louisiana State University, Baton Rouge, Louisiana.

Scope: This interdisciplinary conference will include talks by approximately 30-35 leading researchers in control engineering and mathematical control theory. Topics will include nonsmooth analysis, Hamilton-Jacobi equations, numerical methods in control, stabilization, and engineering applications.

Plenary Speakers: F. Clarke (Univ. Claude-Bernard, France), P. Kokotovic (Univ. of California-Santa Barbara), R. T. Rockafellar (Univ. of Washington), H. J. Sussmann (Rutgers Univ.), R. Vinter (Imperial College of Science, Technology, and Medicine, UK)

Organizers: M. A. Malisoff and P. R. Wolenski.

Information: <http://www.math.lsu.edu/~malisoff/LCMCT/>.

May 2003

- * 18-23 **Applied Inverse Problems: Theoretical and Computational Aspects**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/aip2003/>.

- * 19-23 **Symplectic Geometry and Physics: Workshop II: Chaotic Dynamics and Transport**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/sgp2003/#sgpdyn/>.

- * 21-25 **Logic and Mathematics: connections and interactions**, University of Illinois at Urbana-Champaign.

Organizers: L. van den Dries, C. Ward Henson, A. Pillay, and S. Solecki.

Aim: The aim of the meeting is to bring together mathematicians with an interest in and sensitivity to applications of mathematical logic. The focus will be on connections between logic and areas of mathematics such as algebraic and analytic geometry (complex, real, p-adic, including topics like motivic integration and o-minimality), diophantine geometry, algebraic groups, algebraic theories of differential equations, geometric group theory, geometry of Banach spaces, stochastic analysis, Borel equivalence relations,...

Speakers: A. Buium, B. Poonen, G. Cherlin, T. Scanlon, O. Costin, Z. Sela, N. Cutland, K. Tent, A. Gabrielov, S. Thomas, A. Kechris, A. Vershik, P. Koïran, A. Wilkie, F. Loeser, M. Ziegler, T. Odell, B. Zilber.

Information: Updated versions of this announcement will be available at <http://www.math.uiuc.edu/~henson/conference.html>.

- * 28-30 **Lattices, Universal Algebra and Applications**, Centro de Algebra da Universidade de Lisboa, Lisboa, Portugal.

Invited Speakers: W. Blok (Univ. of Illinois at Chicago), M. Gehrke (New Mexico State Univ.), K. Kearnes (Univ. of Colorado), B. Monjardet (Univ. of Paris I), D. Mundici (Univ. of Milan).

Organizers: G. Bordalo (CAUL, Univ. Lisboa) I. Ferreira (CAUL, Univ. Lisboa) M. Saramago (CAUL, Univ. Lisboa) Luis Sequeira (CAUL, Univ. Lisboa).

Information: <http://www.ptmat.fc.ul.pt/~uaconf03/>;
email: uaconf03@ptmat.fc.ul.pt.

June 2003

* 2-6 **Symplectic Geometry and Physics: Workshop III: Symplectic Geometry and String Theory**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/sgp2003/#sgpstring/>.

* 23-27 **Workshop on Extremal Graph Theory (Miklos Simonovits is 60)**, Lake Balaton, Hungary.

Information: <http://www.renyi.hu/~extgr03/>, email: extgr03@renyi.hu.

* 23-27 **Workshop on Harmonic Analysis and Partial Differential Equations**, Puerto Vallarta, Mexico.

Information: <http://www.matem.unam.mx/whapde/>; email: whapde@matem.unam.mx.

* 24-27 **DAY on DIFFRACTION - 2003 (DD'03)**, St. Petersburg Univ., St. Petersburg, Russia.

Workshop Topics: Mathematical and applied aspects of various nature wave phenomena

Organizers: Dept. Math. & Comp. Phys., St. Petersburg Univ.; St. Petersburg Division of Steklov' Math. Inst.; Euler Intern. Math. Inst.

Information: <http://mph.phys.spbu.ru/DD/>; email: griukurov@mph.phys.spbu.ru.

July 2003

* 14-18 (NEW DATE) **International Conference on Algebras, Modules and Rings**, University of Lisbon, Lisbon, Portugal.

Scientific Committee: A. Facchini (Padova), K. Fuller (Iowa), M. L. Galvão (Lisboa), J. L. Gómez Pardo (Santiago de Compostela), J. A. Green (Oxford/Warwick), C. M. Ringel (Bielefeld), D. Simson (Torun), P. F. Smith (Glasgow).

Organizing Committee: A. P. Alexandre (Nova de Lisboa), P. Carvalho Lomp (Porto), M. L. Galvão (Lisboa), C. Lomp (Porto), M. T. Nogueira (Lisboa), C. Santa-Clara (Lisboa).

Information: <http://caul.cii.fc.ul.pt/lisboa2003/>.

September 2003

* 1-6 **The Sixth International Workshop on Differential Geometry and its Applications and The Third German-Romanian Seminar on Geometry**, Cluj-Napoca, Romania.

Invited Speakers (confirmed by the end of May 2002): P. Benito (Spain), C.-H. Chu (England), J. Dorfmeister (Germany), A. Elduque (Spain), L. Funar (France), R. Grimaldi (Italy), Th. Hangan (France), E. Macias-Virgos (Spain), S. Marchiafava (Italy), A. Sambusetti (Italy), M. Schlichenmaier (Germany), S. Schmidt (Germany), V. Sergiescu (France), L. Vanhecke (Belgium).

Organizers: D. Andrica, "Babes Boyai" Univ. of Cluj-Napoca, email: dandrica@math.ubbcluj.ro; R. Iordanescu, Inst. of Math. of the Romanian Acad., Bucharest, email: Radu.Iordanescu@imar.ro; C. Pinteau, "Babes Boyai" Univ. of Cluj-Napoca; C. Varga, "Babes Boyai" Univ. of Cluj-Napoca; T. Zamfirescu, Univ. of Dortmund, email: Tudor.Zamfirescu@mathematik.uni-dortmund.de.

* 8-10 **25th World Conference on Boundary Element Methods: BEM 25: Incorporating Electromagnetic Effects on Human Beings and Equipment Seminar**, Split, Croatia.

Organizer: Wessex Institute of Technology, UK, in collaboration with the University of Split, FESB Croatia.

Sponsor: The Croatian Ministry of Science and Technology.

Information: <http://www.wessex.ac.uk/conferences/2003/bem25/>.

* 8-December 13 **Inverse Problems: Computational Methods and Emerging Applications**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/inv2003/>.

* 10-12 **Sixth International Conference on Computational Methods for the Solution of Electrical and Electromagnetic Engineering Problems: ELECTROCOMP 2003**, Split, Croatia.

Organizer: Wessex Institute of Technology, UK, in collaboration with the University of Split, FESB Croatia.

Information: <http://www.wessex.ac.uk/conferences/2003/electrocomp03/>.

* 15-19 **Colloquium on the occasion of the 200th anniversary of Charles-François Sturm and Workshop on Sturm-Liouville theory**, University of Geneva, Geneva, Switzerland.

Information: <http://theory.physics.unige.ch/~fiteo/sturm/colloquium.html>.

The following new announcements will not be repeated until the criteria in the next to the last paragraph at the bottom of the first page of this section are met.

November 2003

* 3-5 **Second International Conference on Computational Methods in Multiphase Flow**, Sante Fe, New Mexico.

Organizer: Wessex Institute of Technology, UK, in collaboration with the University of Mexico.

Information: <http://www.wessex.ac.uk/conferences/2003/multiphase03/>.

* 4-6 **Seventh International Conference on Computational Modelling of Free and Moving Boundary Problems**, Sante Fe, New Mexico.

Organizer: Wessex Institute of Technology, UK, in collaboration with the University of Mexico.

Information: <http://www.wessex.ac.uk/conferences/2003/movingboundaries03/>.

March 2004

* 8-June 11 **Proteomics**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Information: <http://www.ipam.ucla.edu/programs/prot2004/>.